Set Name side by side	Query	Hit Count	Set Name result set
DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR			
L31	L14 and l27	60	L31
L30	l15 and L29	1	L30
L29	(((709/245)!.CCLS.))	485	L29
L28	(((709/227)!.CCLS.))	878	L28
L27	(((709/224)!.CCLS.))	1169	L27
L26	((709/218)!.CCLS.)	622	L26
L25	l15 and l24	7	L25
L24	(((345/$)!.CCLS.))	47237	L24
L23	(((345/968)!.CCLS.))	106	L23
L22	(((345/866)!.CCLS.))	283	L22
L21	(((707/10)!.CCLS.))	1941	L21
L20	(((707/7)!.CCLS.))	467	L20
L19	(((707/6)!.CCLS.))	643	L19
L18	(((707/4)!.CCLS.))	975	L18
L17	((707/2)!.CCLS.)	1037	L17
L16	L15 and meta same information	22	L16
L15	L14 and multiple same party	131	L15
L14	search same engines	4837	L14
DB=USPT; PLUR=YES; OP=OR			
L13	5864846.pn.	1	L13
L12	5867799.pn.	1	L12
L11	5899999.pn.	1	L11
L10	6012053.pn.	1	L10
DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR			
L9	6327590.uref.	0	L9
L8	6327590.pn.	2	L8
L7	L4 and multiple same party	5	L7
L6	L5 and multiple same party	1	L6
L5	meta adj search adj engines	23	L5
L4	meta same search same engines	102	L4
L3	(((707/$)!.CCLS.))	13507	L3
L2	(((707/5)!.CCLS.))	816	L2
L1	((707/3)!.CCLS.)	1706	L1

END OF SEARCH HISTORY

WEST

☐ [Generate Collection] [Print]

L25: Entry 5 of 7   File: USPT   Sep 28, 1999

US-PAT-NO: 5960409
DOCUMENT-IDENTIFIER: US 5960409 A

TITLE: Third-party on-line accounting system and method therefor

DATE-ISSUED: September 28, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wexler; Daniel D.	Brooklyn	NY	11218	

APPL-NO: 8/ 729188   [PALM]
DATE FILED: October 11, 1996

INT-CL: [6] G06 F 13/14, G06 F 13/42, H04 L 12/46, H04 L 29/02

US-CL-ISSUED: 705/14; 709/224, 709/245, 709/218, 707/501
US-CL-CURRENT: 705/14; 345/738, 707/501.1, 709/218, 709/224, 709/245

FIELD-OF-SEARCH: 705/14, 705/26, 705/27, 705/30, 395/200.54, 395/200.57, 395/200.48, 395/200.75, 707/501, 707/513, 707/104, 380/23, 380/24, 380/25, 379/118, 379/127, 379/142, 709/218, 709/224, 709/227, 709/245

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

[Search Selected] [Search ALL]

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	5220655	June 1993	Tsutsui	395/200.54
☐	5359508	October 1994	Rossides	705/30
☐	5537314	July 1996	Kanter	705/14
☐	5557721	September 1996	Fite et al.	705/14
☐	5572643	November 1996	Judson	395/200.48
☐	5712979	January 1998	Graber et al.	395/200.54
☐	5717860	February 1998	Graber et al.	395/200.57
☐	5740549	April 1998	Reilly et al.	705/14
☐	5751956	May 1998	Kirsch	395/200.33
☐	5812769	September 1998	Graber et al.	705/14

OTHER PUBLICATIONS

Streams Press Release, "Streams Readies Release of Breakthrough Internet Media Planning and Assessment", http://streams.com/press release.html, Aug. 31, 1995, pp. 1-2.
"Research Firms Strive for Web Tracking That Counts", Interactive Marketing News, vol. 2, No. 13, Jun. 23, 1995.

W3 Organization, "HTTP R█████ Fields",
http://www.w3.org/pub/WWW/Protocols/HTTP/HTRQ Headers.html, May 3, 1994, pp. 1-5.

ABSTRACT:

A system and method for providing on-line third party accounting and statistical
information is disclosed. A third party accounting service receives a download
request signal ultimately intended for an advertiser Web site. The download request
signal is generated when a user clicks on a banner displayed on a Web page of a
frequently-visited Web site. The banner is published by the frequently-visited Web
site for the benefit of the advertiser. The third party receives the download
request since, rather than pointing to the advertiser Web site, the banner is
configured to point to the third party Web site. The third party Web site maintains
a count of all received download request signals generated by clicking on the
banner. Since an advertiser banner may be displayed at more than one
frequently-visited Web site, the third party Web site further maintains a log
containing the address of the frequently-visited Web site that displayed the banner
that generated the click, as well as other information provided by tile user Web
browser. The third party sends a redirect signal to the user Web browser causing it
to send a download request to the advertiser Web site. The advertiser Web site then
downloads the information originally sought by the user to his Web browser. The
third party accumulates and tabulates statistical information including the number
of clicks on the advertiser banner, and data indicative of the effectiveness of the
banner-publisher frequently-visited Web site as an advertising medium. Such
information is provided to the advertiser and/or the banner publisher.

11 Claims, 3 Drawing figures

WEST

End of Result Set

☐ Generate Collection | Print |

L16: Entry 22 of 22   File: USPT   Oct 20, 1998

US-PAT-NO: 5826261
DOCUMENT-IDENTIFIER: US 5826261 A

TITLE: System and method for querying multiple, distributed databases by selective sharing of local relative significance information for terms related to the query

DATE-ISSUED: October 20, 1998

INVENTOR-INFORMATION:
NAME	CITY	STATE	ZIP CODE	COUNTRY
Spencer; Graham	Cupertino	CA	95014	

APPL-NO: 8/ 644302   [PALM]
DATE FILED: May 10, 1996

INT-CL: [6] G06 F 17/30

US-CL-ISSUED: 707/5; 707/1, 707/2, 707/3, 707/10
US-CL-CURRENT: 707/5; 707/1, 707/10, 707/2, 707/3

FIELD-OF-SEARCH: 707/5, 707/1, 707/2, 707/3, 707/10

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

| Search Selected | Search ALL |

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	5321833	June 1994	Chang et al.	707/5
☐	5640553	June 1997	Schultz	707/5
☐	5659732	August 1997	Kirsch	707/5

OTHER PUBLICATIONS

K. Obraczka, et al., "Internet Resource Discovery Services", IEEE, pp. 8-22, Sep. 1993.
S. Al-Hawamdeh, et al., "Compound Document Processing System", IEEE, pp. 640-644, Sep. 1991.
B. Yuwono, et al., "Search and Ranking Algorithms for Locating Resources on the World Wide Web", IEEE, pp. 164-171, 1996.
P. Danzig, et al., "Distributed Indexing: A Scalable Mechanism for Distributed Information Retrieval", Proceedings of the 14th Annual International ACM/SIGIR Conference, pp. 220-229, Oct. 1991.
L. Gravano, et al., "The Effectiveness of GIOSS for the Text Database Discovery Problem", Proceedings of the 1994 ACM SIGMOD, pp. 126-137, Jun. 1994.
J.P. Callan, et al., "The Inquery Retrieval System", Proceedings of the 3rd International Conference on Database and Expert Systems Applications, pp. 78-83, 1992.
H. Turtle, et al., "A Comparison of Text Retrieval Models", The Computer Journal vol. 35/No. 3, pp. 279-290, Jun. 1992.
Salton, G., "A Blueprint for Automatic Indexing", ACM Special Interest Group on

Information Retrieval, v██, █I, No. 2, pp. 22-38, Fall 1███.
Kwok, K.L., "Query Modification and Expansion in a Network with Adaptive
Architecture", ACM/SIGIR Proceedings of the 14th International Conference on
Research & Development in Information Retrieval, pp. 192-201, 1991.
Wilkinson, R. and Hingston, P., "Using the Cosine Measure in a Neural Network for
Document Retrieval", ACM/SIGIR Proceedings of the 14th International Conference on
Research & Development in Information Retrieval, pp. 202-210, 1991.
Simpson, P., "Query Processing in a Heterogeneous Retrieval Networks", 11th
International Conference on Research & Development in Information Retrieval, pp.
359-370, 1988.
Korfhage, R.R., "To See, or Not to See--Is That the Query?", ACM/SIGIR Proceedings
of the 14th International Conference on Research & Development in Information
Retrieval, pp. 134-141, 1991.

ABSTRACT:

A system, method, and various software products provide improved information
retrieval performance from multiple document databases by retrieving from the
multiple document databases in response to a user query, a set of documents that
globally satisfy the query, even though each database maintains independent document
indices, term frequency information, and scoring functions. The global search result
approximates, to any desired degree of error, the search results that would have
been obtained had the multiple document databases been globally indexed. This is
done by sharing at the time the query is executed, a small subset of information
about the local relative significance of terms related to the user's query, and from
this information, determining a global relative significance of such terms. From the
global relative significance, the individual document databases determine their
query results, which are then merged into a global set of documents satisfying the
query. The shared local relative significance information may be the inverse
document frequency of each of a number of terms related to the query, or it may be
the total frequency of each of such terms. The global relative significance may
correspondingly be a global inverse document frequency, or a global term frequency
from which the global inverse document frequency is calculated.

38 Claims, 7 Drawing figures

WEST

Generate Collection | Print

Search Results - Record(s) 1 through 1 of 1 returned.

☐ 1. Document ID: US 6012053 A

L10: Entry 1 of 1   File: USPT   Jan 4, 2000

US-PAT-NO: 6012053
DOCUMENT-IDENTIFIER: US 6012053 A

TITLE: Computer system with user-controlled relevance ranking of search results

DATE-ISSUED: January 4, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Pant; Sangam	Winchester	MA		
Andre; David L.	Belmont	MA		
Watson; Gray	Pittsburgh	PA		
Green; Richard M.	Pittsburgh	PA		
Schiegg; Michael J.	McKeesport	PA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Lycos, Inc.	Waltham	MA			02

APPL-NO: 8/ 880923
DATE FILED: June 23, 1997

INT-CL: [6] G06 F 17/30

US-CL-ISSUED: 707/3; 707/4, 707/5, 707/6, 364/133, 364/222, 345/333, 345/968
US-CL-CURRENT: 707/3; 345/866, 345/968, 700/4, 707/4, 707/5, 707/6

FIELD-OF-SEARCH: 707/3, 707/4, 707/5, 707/6, 707/7, 707/102, 707/103, 707/104,
707/203, 364/920, 364/6, 364/222, 364/133, 340/146, 395/185, 455/4, 455/2, 348/2,
348/7, 348/10, 348/12, 345/333, 345/968, 345/978, 345/335, 382/167

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
5321833	June 1994	Cheng et al	395/600
5500920	March 1996	Kupiec	707/4
5544049	August 1996	Henderson et al.	707/4
5577241	November 1996	Spencer	707/5
5644686	July 1997	Hekmatpour	706/45
5675819	October 1997	Schuetze	707/3
5696962	December 1997	Kupiec	707/3
5754938	May 1998	Herz et al.	707/3
5819004	October 1998	Azadegan et al.	386/112
5832496	November 1998	Anand et al.	707/102
5890152	March 1999	Rapaport et al.	707/6
5899999	May 1999	De Bonet	707/104

ART-UNIT: 271
PRIMARY-EXAMINER: Lintz; Paul R.
ASSISTANT-EXAMINER: Havan; Thu-Thao
ATTY-AGENT-FIRM: Wolf, Greenfield & Sacks, P.C.

ABSTRACT:

A computer system for performing searches on a collection of information includes a mechanism through which results from a search query are ranked according to user specified relevance factors to allow the user to control how the search results are presented. The relevance factors are applied to the results achieved for each query. That is, each item returned by the search has a set of attributes. Each of these attributes is assigned a weight according to the specified relevance factors. These weights are combined to provide a score for the item. Search results are provided to the user, ordered according to scores. The application of the relevance factors does not alter the query performed on the collection of information.

12 Claims, 9 Drawing figures

| Full | Title | CIT.1 | REV.1 | CLS.1 | REF.1 | SEQ.1 | ATT.1 |

DRAW.1

| Generate Collection | Print |

Terms	Documents
6012053.pn.	1

Display Format: TI | Change Format |

Previous Page   Next Page

WEST

| Generate Collection | Print |

Search Results - Record(s) 1 through 1 of 1 returned.

☐   1.   Document ID: US 5864846 A

L13: Entry 1 of 1   File: USPT   Jan 26, 1999

US-PAT-NO: 5864846
DOCUMENT-IDENTIFIER: US 5864846 A

TITLE: Method for facilitating world wide web searches utilizing a document distribution fusion strategy

DATE-ISSUED: January 26, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Voorhees; Ellen M.	North Potomac	MD		
Gupta; Narendra K.	Dayton	NJ		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Siemens Corporate Research, Inc.	Princeton	NJ			02

APPL-NO: 8/ 674646
DATE FILED: June 28, 1996

INT-CL: [6] G06 F 17/30

US-CL-ISSUED: 707/5; 707/2, 707/3, 707/4
US-CL-CURRENT: 707/5; 707/2, 707/3, 707/4

FIELD-OF-SEARCH: 707/3, 707/5, 707/2, 707/4

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
4823306	April 1989	Barbic et al.	707/6
5404514	April 1995	Kageneck et al.	707/5
5442778	August 1995	Pedersen et al.	707/5
5576954	November 1996	Driscoll	707/3
5642502	June 1997	Driscoll	707/5
5659732	August 1997	Kirsch	707/5
5675819	October 1997	Schuetze	1/1
5706497	January 1998	Takahashi et al.	707/5

OTHER PUBLICATIONS

Bartell et al., "Automatic Combination of Multiple Ranked Retrieval Systems", Proceedings of SIGIR '94, Jul. 1994, pp. 173-181.
Belkin et al., "The Effect of Multiple Query Representations on Information System Performance", Proceedings of SIGIR '93, Jun. 1993, pp. 339-346.
Fox et al., "Combination of Multiple Searches", Proceedings of TREC-3, Apr. 1995, pp. 105-108.

Steinberg, "Seek and Ye ●●●Find (Maybe)" Wired, vol. 4●●●May 1996, pp. 1-18.
QuarterDeck, URL: http://arachnid.qdeck.com/qdeck/products/webcompass.
Towell et al., "Learning Collection Fusion Strategies for Information Retrieval",
Proceedings of the 12th Annual Machine Learning Conference, Jul. 1995, pp. 540-548.
Voorhees et al., "The Collection Fusion Problem", Proceedings of TREC-3, NIST
Special Publication 500-225, Apr. 1995, pp. 95-104.
Voorhees et al., "Learning Collection Fusion Strategies", Proceedings of SIGIR '95,
Jul. 1995, pp. 172-179.

ART-UNIT: 271
PRIMARY-EXAMINER: Lintz; Paul R.
ATTY-AGENT-FIRM: Ahmed; Adel A.

ABSTRACT:

A computer-implemented method for facilitating World Wide Web Searches and like
database searches by combining search result documents, as provided by separate
search engines in response to a query, into one single integrated list so as to
produce a single document with a ranked list of pages, by forming a set of selected
queries, the queries including respective terms, for which selected queries
relevance data from past data is known, herein referred to as training queries, in a
vector space comprising all training queries, the relevance data comprising
judgments by a user as to whether a page is appropriate for a query which retrieved
it. Further steps in the method are identifying a set of k most similar training
queries to current query q, computing an average relevant document distribution of
the k queries within the training queries' search results for each of the search
engines, using the computed relevant document distributions, finding an optimal
number of pages to select from the result set of each search engine when N total
pages are to be retrieved, and creating a final retrieved set by forming the union
of the top .lambda..sub.s pages from each search engine.

15 Claims, 2 Drawing figures

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC |
| Draw Desc | Image |

| Generate Collection | Print |

Terms	**Documents**
5864846.pn.	1

Display Format: | TI | | Change Format |

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WEST

Freeform Search

Database:

```
US Patents Full-Text Database
US Pre-Grant Publication Full-Text Database
JPO Abstracts Database
EPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins
```

Term:

Display: [10] Documents in <u>Display Format:</u> [-] Starting with Number [1]

Generate: ○ Hit List ◉ Hit Count ○ Side by Side ○ Image

| Search | Clear | Help | Logout | Interrupt |

| Main Menu | Show S Numbers | Edit S Numbers | Preferences | Cases |

Search History

DATE: **Tuesday, April 16, 2002**   <u>Printable Copy</u>   <u>Create Case</u>